

Application No. 10/594481
Responsive to the office action dated December 1, 2009

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A curable composition,
which comprises the following two components:
(A) a polyether polymer (I) having at least one crosslinkable functional group
and a number average molecular weight determined by gel permeation chromatography
of 10,000 or higher, and
(B) a vinyl polymer (II) having at least one crosslinkable functional group at a
polymer terminus and compatible with the polyether polymer (I),
wherein the vinyl polymer (II) is a copolymer of (b1) an alkyl acrylate having an alkyl
group of 1 to 3 carbon atoms, (b2) an alkyl acrylate having an alkyl group of 4 to 7 carbon
atoms, and (b3) an alkyl acrylate having an alkyl group of 8 to 20 carbon atoms,
the vinyl polymer (II) has a number average molecular weight determined by gel
permeation chromatography of not lower than 20,000,
the vinyl polymer (II) has a ratio of the weight average molecular weight to the number
average molecular weight determined by gel permeation chromatography of lower than 1.8, and
the vinyl polymer (II) is a copolymer obtained by atom transfer radical polymerization.
2. (Currently Amended) The curable composition according to Claim 1,
wherein the polyether polymer (I) has a number average molecular weight determined by
gel permeation chromatography of not lower than 15,000.
- 3-4. (Canceled)
5. (Currently Amended) The curable composition according to ~~Claim 4~~ Claim 1,
wherein the vinyl polymer (II) contains the alkyl acrylate in a weight ratio of not lower
than 90% ~~per the of a~~ total of the vinyl monomers composing the vinyl polymer.

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6. (Currently Amended) The curable composition according to ~~Claim 5~~ Claim 1,

wherein the vinyl polymer (II) contains (b1) the alkyl acrylate having an alkyl group of 1 to 3 carbon atoms in a weight ratio of not lower than 1% and not more than 30% ~~per the of a total~~ of ~~the~~ vinyl monomers composing the vinyl polymer, (b2) the alkyl acrylate having an alkyl group of 4 to 7 carbon atoms in a weight ratio of not lower than 45% and not more than 95 % ~~per~~ of the total of the vinyl monomers composing the vinyl polymer, and (b3) the alkyl acrylate having an alkyl group of 8 to 20 carbon atoms in a weight ratio of not lower than 4% and not more than 35 % ~~per of the total~~ of the vinyl monomers composing the vinyl polymer.

7. (Currently Amended) The curable composition according to ~~Claim 6~~ Claim 1,

wherein ~~the a~~ weight ratio of (b1) the alkyl acrylate having an alkyl group of 1 to 3 carbon atoms in the vinyl polymer (II) is not lower than 1% and not more than 20% ~~per the of a~~ total of ~~the~~ vinyl monomers composing the vinyl polymer.

8. (Currently Amended) The curable composition according to ~~Claim 7~~ Claim 1,

wherein ~~the a~~ weight ratio of (b2) the alkyl acrylate having an alkyl group of 4 to 7 carbon atoms in the vinyl polymer (II) is not lower than 50% and not more than 95 % ~~per the of a~~total of ~~the~~ vinyl monomers composing the vinyl polymer.

9. (Currently Amended) The curable composition according to ~~Claim 7~~ Claim 1,

wherein ~~the a~~ weight ratio of (b2) the alkyl acrylate having an alkyl group of 4 to 7 carbon atoms in the vinyl polymer (II) is not lower than 60% and not more than 93% ~~per the of a~~total of ~~the~~ vinyl monomers composing the vinyl polymer.

10. (Currently Amended) The curable composition according to ~~Claim 7~~ Claim 1,

wherein the weight ratio of (b3) the alkyl acrylate having an alkyl group of 8 to 20 carbon atoms in the vinyl polymer (II) is not lower than 5% and not more than 30% ~~per the of a total of~~ ~~the~~ vinyl monomers composing the vinyl polymer.

11. (Currently Amended) The curable composition according to ~~Claim 7~~ Claim 1,

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wherein the weight ratio of (b3) the alkyl acrylate having an alkyl group of 8 to 20 carbon atoms in the vinyl polymer (II) is not lower than 6% and not more than 20% ~~per the of a total of~~ the vinyl monomers composing the vinyl polymer.

12. (Currently Amended) The curable composition according to ~~Claim 11~~ Claim 1,

wherein (b1) the alkyl acrylate having an alkyl group of 1 to 3 carbon atoms in the vinyl polymer (II) is at least one acrylate selected from the group consisting of methyl acrylate and/or ethyl acrylate.

13. (Currently Amended) The curable composition according to ~~Claim 12~~ Claim 1,

wherein (b2) the alkyl acrylate having an alkyl group of 4 to 7 carbon atoms in the vinyl polymer (II) is butyl acrylate.

14. (Currently Amended) The curable composition according to ~~Claim 13~~ Claim 1,

wherein (b3) the alkyl acrylate having an alkyl group of 8 to 20 carbon atoms in the vinyl polymer (II) is at least one acrylate selected from the group consisting of dodecyl acrylate and/or octadecyl acrylate.

15-18. (Canceled)

19. (Currently Amended) The curable composition according to Claim 1,

wherein the polyether polymer (I) essentially has polypropylene oxide as a main chain.

20. (Currently Amended) The curable composition according to Claim 1,

wherein the polyether polymer (I) has a crosslinkable silyl group as the crosslinkable functional group.

21. (Canceled)

22. (Currently Amended) The curable composition according to Claim 1,

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wherein the vinyl polymer (II) has a crosslinkable silyl group as the crosslinkable functional group at a polymer terminus.

23. (Currently Amended) The curable composition according to Claim 1,
wherein the vinyl polymer (II) has an alkenyl group as the crosslinkable functional group at a polymer terminus.

24. (Currently Amended) The curable composition according to Claim 23,
which further ~~contains~~ comprises a hydrosilyl group-containing compound.

25. (Currently Amended) A formed body,
which is obtained by curing the curable composition according to Claim 1.